

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT - REVISED

PERMITTEE

ITW - Buildex
Attn: Steven Bell
1349 West Bryn Mawr Avenue
Itasca, Illinois 60143

<u>Application No.:</u> 95080151	<u>I.D. No.:</u> 043450AAA
<u>Applicant's Designation:</u> MFG-BLDG	<u>Date Received:</u> June 25, 2004
<u>Subject:</u> Dip Painting Machines	
<u>Date Issued:</u> August 19, 2004	<u>Expiration Date:</u> April 23, 2008
<u>Location:</u> 1349 West Bryn Mawr Avenue, Itasca	

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of three coating lines, three dryers, one electro-deposition coating line and one mechanical zinc plating process pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued to limit the emissions of air pollutants from the source to less than major source thresholds (i.e., 25 tons per year for volatile organic material (VOM)). As a result, the source is excluded from requirements to obtain a Clean Air Act Permit Program (CAAPP) permit. The maximum emissions of this source, as limited by the conditions of this permit are described in Attachment A.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes all operating permits issued for this location.
2. This permit is issued based upon the coating operations performed at the facility being subject to the volatile organic materials (VOM) emission limitations of 35 Ill. Adm. Code 218.204(j) (4) (A). Compliance with the requirements is achieved through the use of compliance coating with VOM content, as applied, not exceeding 3.3 lb/gal, excluding water and any compounds which are specifically exempted from the definition of VOM.
3. The emissions of Hazardous Air Pollutants (HAP) as listed in Section 112(b) of the Clean Air Act shall be less than 10 tons/year of any single HAP and 25 tons/year of any combination of such HAPs. As a result of this condition, this permit is issued based on the emissions of all HAPs from this source not triggering the requirements to obtain a Clean Air Act Permit Program Permit (CAAPP).

4. VOM usage and VOM emissions from three coating lines (combined) shall not exceed 2.2 tons/month and 15.7 tons/year. These limits are based on the maximum coating usage and VOM content of the coatings. Compliance with annual limits shall be determined from a running total of 12 months of data.
5. This permit is issued based on the usage of clean-up solvents that do not contain any VOM or HAP.
6. Emissions and operation of natural gas combustion equipment shall not exceed the following limits:

Natural Gas Usage: 10 mmscf/month, 70 mmscf/year

<u>Pollutant</u>	<u>Emission Factor</u> <u>(Lb/mmscf)</u>	<u>Emissions</u> <u>(Tons/Month)</u>	<u>(Tons/Year)</u>
Nitrogen Oxides (NO _x)	100	0.5	3.5
Carbon Monoxide (CO)	84	0.4	2.9

These limits are based on the maximum operating rate and standard emission factors. Compliance with annual limits shall be determined from a running total of 12 months of data.

7. This permit is issued based on negligible emissions of particulate matter from the mechanical zinc plating line, coating lines and electro-deposition coating line. For this purpose emissions from each emission source, shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 tons/year.
8. The Permittee shall maintain monthly records of the following items:
 - a. Names and amounts of coatings and solvents used (lb/month, tons/year);
 - b. VOM and HAP content of materials in item (a) (weight %);
 - c. VOM and HAP emission calculations (lb/month, tons/year); and
 - d. Natural gas usage (mmscf/month and mmscf/year).
9. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA or USEPA request for records during the course of a source inspection.

10. If there is an exceedance of the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.
11. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Compliance Section (#40)
P.O. Box 19276
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency
Division of Air Pollution Control
9511 West Harrison
Des Plaines, Illinois 60016

It should be noted that this permit has been revised to separate operations of 950 Pratt Boulevard facility.

If you have any questions on this, please call Valeriy Brodsky at 217/782-2113.

Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control

DES:VJB:psj

cc: Illinois EPA, FOS Region 1
Lotus Notes

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from coatings plant operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from such a plant. The resulting maximum emissions are well below the levels, e.g., 25 tons per year of VOM and 10 tons/year of a single hazardous air pollutant at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled, and control measures are more effective than required in this permit.

	E M I S S I O N S					
Emission Units	VOM	NO _x	CO	PM	Single HAP	Total HAP
Three coating lines	15.7			0.44		
Electro-deposition line				0.44		
Zinc plating process				0.44		
Fuel combustion equipment		3.5	2.9			
Plant-wide total	15.7	3.5	2.9	1.3	<10	<25

VJB:psj